

CAT® SIMULATORS



Hydraulic Excavator & Advanced Construction Excavator
Walkaround Inspection Points

Machine Part Identified	Description
Stick	
Stick	Is the stick in good condition and free of cracks and damage?
Bucket Cylinder	Is the bucket cylinder in good condition with no damage?
Bucket Rod	Is the bucket rod free of oil leaks, debris and damage?
Hydraulic Hoses	Do the hoses look to be in good condition and not leaking? Be sure to check both sides.
Bucket	
Bucket	Is the bucket free of cracks and any other damage?
Bucket Tips/Cutting Edge	Are the bucket tips and cutting edges free of dings, cracks, wear and any other fatigue?
Left Side Pins and Keepers	Are the pins and keepers free of loose bolts?
Right Side Pins and Keepers	Are the pins and keepers free of loose bolts?
Left Bucket Side Protector	Are the side protectors free of dings, cracks, wear and any other fatigue?
Right Bucket Side Protector	Are the side protectors free of dings, cracks, wear and any other fatigue?
Boom	
Lights	Are the lights in good condition, intact and not broken?
Boom	Is the boom in good condition and free of cracks or damage?
Stick Cylinder	Is the stick cylinder in good condition with no damage?
Stick Rod	Is the stick rod free of oil leaks, debris and damage?
Boom Cylinder	Are the boom rods in good condition with no damage?
Boom Rod	Are the boom cylinders free of oil leaks, debris and damage?
Undercarriage - Right Side	
Steps	Are steps in place and in good condition?
Track Shoes	Are the track shoes in good condition with no damage?
Carrier Rollers	Are the carrier rollers free of chipping, scalloping, flat spots and oil leaks?

Track Guide	Are all bolts secure, not missing and free of wear?
Bearing Caps	Are the bolts on the bearing caps tight and free of wear?
Track Rollers	Are the track rollers free of chipping, scalloping, flat spots and oil leaks?
Final Drive & Sprocket Segments	Are all the bolts on the sprocket segments tight and free of wear?
Master Link	Is the master link in good condition with no gap or damage?
Undercarriage - Rear	
Final Drive Cover - Left	Is the final drive cover in good condition?
Swing Bearing	Is the swing bearing free of oil leaks, debris and damage?
Final Drive Cover - Right	Is the final drive cover in good condition?
Undercarriage - Left Side	
Steps	Are steps in place and in good condition?
Track Sag	With a straight edge from points A to B measure the greatest distance to the track. A track that is properly adjusted will have a sag of 40.0 to 55.0 mm (1.6 to 2.2 inch). Is the track sag within the correct range?
Carrier Rollers	Are the carrier rollers free of chipping, scalloping, flat spots and oil leaks?
Track Guide	Are all bolts secure, not missing and free of wear?
Bearing Caps	Are the bolts on the bearing caps tight and free of wear?
Track Rollers	Are the track rollers free of chipping, scalloping, flat spots and oil leaks?
Final Drive & Sprocket Segments	Are all the bolts on the sprocket segments tight and free of wear?
Master Link	Is the master link in good condition with no gap or damage?
Engine/Platform Inspection	
Engine Compartment - Left	
Battery Disconnect Switch	Is the battery disconnect switch in the off position? Switch pointing to = On and O = Off.
Radiator	Are the radiators in good condition, intact, free of debris and not broken?
Windshield Washer Reservoir	Does the windshield wiper fluid level appear to be within the optimal operating range?
Radiator Coolant	Does the radiator coolant level appear to be within the optimal operating range?

Fuel Filter	Is the fuel filter free of leaks, debris and damage?
Battery Cables	Are the Battery Cables connected and free of excessive wear?
Engine Compartment - Right	
Oil Filters	Are the oil filters free of leaks, debris and damage?
Hydraulic Oil Level Sight Gauge	Does the hydraulic oil level appear to be within the optimal operating range?
Engine Compartment - Upper	
Engine Oil Dipstick	Does the engine oil level appear to be within the optimal operating range?
Swing Bearing Oil Dipstick	Does the swing bearing oil level appear to be within the optimal operating range?
Hoses and Lines	Do all the hoses, hard lines and fittings look to be in good condition?
Cab - Outside	
Lights	Are the lights in good condition, intact and not broken?
Windshield/Windows	Are the windows and windshield in good condition, intact and not broken?
Windshield Wipers	Are the windshield wipers in good condition, intact and not broken?
Cab - Inside	
Seat Belt and Mounting	Is the seatbelt free of wear? In the real machine check that the manufacture date is less than 5 years old and the installation date is less than 3 years old.
Travel Controls/Joysticks	Are the controls clean and free of debris?
Cab Floor	Is the cab floor clean and free of debris?



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